# INDEX TO VOLUME 54

## 1972

## SUBJECTS


**Agricultural Data**

Analysis of the Accuracy of USDA Crop Forecasts, 639
Future Census Data for Agriculture: Comment, 360
Future Census Data for Agriculture: Reply, 363
Our Obsolete Data Systems: New Directions and Opportunities, 867 (Discussions, 875, 878)

**Agricultural Economics, General**

Economics and the Quality of Life, 723

*Associations (of)*

Allocation of Colleges and Economists, 934
Has the AAEA Become "Awards Happy"? A Comment, 139
Has the AAEA Become "Awards Happy"? A Reply, 140
Locational Distribution of AAEA Membership and *Journal* Contribution, 145
Ph.D. Dissertation Awards: Does the Best Always Win?—Comment, 141
Tradition and Protectionism—The AAEA and Its *Journal:* Comment, 520
Tradition and Protectionism—The AAEA and Its *Journal:* Reply, 521

*Extension*

Clientele for Continuing Education in the 1970's, 910 (Discussions, 928, 930)
Delivery Systems for Continuing Education, 916 (Discussions, 928, 930)
Research Support for Continuing Education, 922 (Discussions, 928, 930)

*Profession (of)*

Allocation of Colleges and Economists, 934
Evaluation of Departments of Agricultural Economics (On the): Comment, 532
Evaluation of Departments of Agricultural Economics (On the): Reply, 534
Needed: More Efficient Use of Computer Resources, 693
Present Status of Quantitative Techniques in Undergraduate Agricultural Economics Programs, 102
Quantitative Training of Undergraduates: Comment, 531
Quantitative Training of Undergraduates: Reply, 532

*Research*

Agricultural Marketing Research for Less-Developed Areas, 666
Needed: More Efficient Use of Computer Resources, 693
Our Obsolete Data Systems: New Directions and Opportunities, 867 (Discussions, 875, 878)
Research Support for Continuing Education, 922 (Discussions, 928, 930)

*Teaching*

Evaluation of Departments of Agricultural Economics (On the): Comment, 532
Evaluation of Departments of Agricultural Economics (On the): Reply, 534
Quantitative Training of Undergraduates: Comment, 531
Quantitative Training of Undergraduates: Reply, 532

**Agricultural Finance, Capital, Credit**

Demand for Financial Assets in the Farm Sector: A Portfolio Balance Approach, 163
Discrimination in the Markets for Farm Capital? Comment, 369
Discrimination in the Markets for Farm Capital? Reply, 371
Is There Disinvestment in the Farming Sector?, 275
Strategies for the Creation and Transfer of the Farm Estate, 461

**Agricultural Income**

*Personal and Factor Income Distribution*

Agricultural Technology and the Distribution of Welfare Gains, 801 (Discussions, 815, 817)
Technical Change and the Distribution of Income in Rural Areas, 326 (Discussions, 355, 357)

*Rural Poverty*

Income Maintenance Programs in the 1960's: A Survey, 342 (Discussions, 355, 357)
Technical Change and the Distribution of Income in Rural Areas, 326 (Discussions, 355, 357)

**Agricultural Labor; Rural Manpower**

American Agriculture and the Prophecy of Increasing Misery, 570

*Labor Markets*

Impact of Minimum Wages Upon the Level and Composition of Agricultural Employment, 477
Minimum Wages and the Farm Labor Market, 473

*Policy*

Impact of Minimum Wages Upon the Level and Composition of Agricultural Employment, 477
Minimum Wages and the Farm Labor Market, 473

**Agricultural Products: Demand, Supply, Prices**

Combining Statistical Techniques with Economic Theory for Commodity Forecasting, 784
Positivistic Measures of Aggregate Supply Elasticities: Some New Approaches—Rejoinder, 528
Positivistic Measures of Aggregate Supply Elasticities: Some New Approaches—A Further Reply, 530

*Dairy Products*

Consumer Attitudes and Their Impact on Fluid Milk Demand in Hawaii: A Component-Regression Analysis Approach, 671
Polynomial Lag Formulation of Milk Production Response (A), 77
Price Alignment and Movements of Class I Milk Between Markets, 496

*Field Crops*

Analysis of the Accuracy of USDA Crop Forecasts, 639
Distributed Lag Models of Cotton Acreage Response: A Further Result, 108

# INDEX TO VOLUME 54

## 1972

## SUBJECTS


**Agricultural Data**

Analysis of the Accuracy of USDA Crop Forecasts, 639
Future Census Data for Agriculture: Comment, 360
Future Census Data for Agriculture: Reply, 363
Our Obsolete Data Systems: New Directions and Opportunities, 867 (Discussions, 875, 878)

**Agricultural Economics, General**

Economics and the Quality of Life, 723

*Associations (of)*

Allocation of Colleges and Economists, 934
Has the AAEA Become "Awards Happy"? A Comment, 139
Has the AAEA Become "Awards Happy"? A Reply, 140
Locational Distribution of AAEA Membership and *Journal* Contribution, 145
Ph.D. Dissertation Awards: Does the Best Always Win?—Comment, 141
Tradition and Protectionism—The AAEA and Its *Journal:* Comment, 520
Tradition and Protectionism—The AAEA and Its *Journal:* Reply, 521

*Extension*

Clientele for Continuing Education in the 1970's, 910 (Discussions, 928, 930)
Delivery Systems for Continuing Education, 916 (Discussions, 928, 930)
Research Support for Continuing Education, 922 (Discussions, 928, 930)

*Profession (of)*

Allocation of Colleges and Economists, 934
Evaluation of Departments of Agricultural Economics (On the): Comment, 532
Evaluation of Departments of Agricultural Economics (On the): Reply, 534
Needed: More Efficient Use of Computer Resources, 693
Present Status of Quantitative Techniques in Undergraduate Agricultural Economics Programs, 102
Quantitative Training of Undergraduates: Comment, 531
Quantitative Training of Undergraduates: Reply, 532

*Research*

Agricultural Marketing Research for Less-Developed Areas, 666
Needed: More Efficient Use of Computer Resources, 693
Our Obsolete Data Systems: New Directions and Opportunities, 867 (Discussions, 875, 878)
Research Support for Continuing Education, 922 (Discussions, 928, 930)

*Teaching*

Evaluation of Departments of Agricultural Economics (On the): Comment, 532
Evaluation of Departments of Agricultural Economics (On the): Reply, 534
Quantitative Training of Undergraduates: Comment, 531
Quantitative Training of Undergraduates: Reply, 532

**Agricultural Finance, Capital, Credit**

Demand for Financial Assets in the Farm Sector: A Portfolio Balance Approach, 163
Discrimination in the Markets for Farm Capital? Comment, 369
Discrimination in the Markets for Farm Capital? Reply, 371
Is There Disinvestment in the Farming Sector?, 275
Strategies for the Creation and Transfer of the Farm Estate, 461

**Agricultural Income**

*Personal and Factor Income Distribution*

Agricultural Technology and the Distribution of Welfare Gains, 801 (Discussions, 815, 817)
Technical Change and the Distribution of Income in Rural Areas, 326 (Discussions, 355, 357)

*Rural Poverty*

Income Maintenance Programs in the 1960's: A Survey, 342 (Discussions, 355, 357)
Technical Change and the Distribution of Income in Rural Areas, 326 (Discussions, 355, 357)

**Agricultural Labor; Rural Manpower**

American Agriculture and the Prophecy of Increasing Misery, 570

*Labor Markets*

Impact of Minimum Wages Upon the Level and Composition of Agricultural Employment, 477
Minimum Wages and the Farm Labor Market, 473

*Policy*

Impact of Minimum Wages Upon the Level and Composition of Agricultural Employment, 477
Minimum Wages and the Farm Labor Market, 473

**Agricultural Products: Demand, Supply, Prices**

Combining Statistical Techniques with Economic Theory for Commodity Forecasting, 784
Positivistic Measures of Aggregate Supply Elasticities: Some New Approaches—Rejoinder, 528
Positivistic Measures of Aggregate Supply Elasticities: Some New Approaches—A Further Reply, 530

*Dairy Products*

Consumer Attitudes and Their Impact on Fluid Milk Demand in Hawaii: A Component-Regression Analysis Approach, 671
Polynomial Lag Formulation of Milk Production Response (A), 77
Price Alignment and Movements of Class I Milk Between Markets, 496

*Field Crops*

Analysis of the Accuracy of USDA Crop Forecasts, 639
Distributed Lag Models of Cotton Acreage Response: A Further Result, 108

Inter-Fiber Competition and the Future of the United States Cotton Industry, 209
Market-Share Approach to the Foreign Demand for U. S. Cotton (A): Comment, 375
Market-Share Approach to the Foreign Demand for U. S. Cotton (A): Reply, 376
Supply Analysis for Corn in the United States: The Impact of Changing Government Programs, 184
*Food Items*
Estimation of Demand Parameters Under Consumer Budgeting: An Application to Argentina, 422
*Fruits and Vegetables*
Harmonic Analysis of Seasonal Data: Some Important Properties, 646
*Livestock and Livestock Products*
Investment Behavior and the Supply Response of the Cattle Industry in Argentina (The), 976
Open Econometric Model of the Canadian Beef Cattle Sector (An), 84
Quarterly Models to Predict Cash Prices of Pork Bellies, 603
Trend Models of Feeder, Slaughter, and Wholesale Beef Cattle Prices, 507
*Marine Products*
Econometric Analysis of Shrimp Ex-Vessel Prices, 1950-1968 (An), 431
*Other*
Converting National Supply and Demand Equations to a Common Currency for Internationally Traded Commodities, 538
Econometric Analysis of the Demand for Textile Fibers (An), 238
Public Pressures and Values, Federal Policy Changes, and Future Timber Supply, 881 (Discussions, 887, 889, 890)
*Poultry and Eggs*
Demand, Supply, and Price Relationships for the Broiler Sector, With Emphasis on the Jack-Knife Method, 245

**Cooperatives and Cooperation**

Total Marketing System for U. S. Dairy Cooperatives (A), 271

**Economic Development, Growth and Planning**

*Foreign*
Agricultural Marketing Research for Less-Developed Areas, 666
Green Revolution (The): A Reply to Professors Ruttan and Mellor, 366
Green Revolution (The): A Reply to Professors Ruttan and Mellor: A Further Reply, 368
Project Selection and Macroeconomic Objectives: A Methodology Applied to Peruvian Irrigation Projects, 32
Projections of Effects of Modern Inputs on Agricultural Income and Employment in a Community Development Block, Uttar Pradesh, India, 452
Rice Policy in Japan's Economic Development, 19
*General*
Shift-Share Analysis as a Technique in Rural Development Research, 267
*United States*
General Model for Evaluating Agricultural Flood Plains (A), 92
Socioeconomic Behavior of Cattle Ranchers, with Implications for Rural Community Development in the West, 217

**Environmental Economics**

*General*
Agricultural Productivity, Technology, and Environmental Quality, 749 (Discussions, 757, 760, 761)
Analytical Institutional Economics: Challenging Problems in the Economics of Resources for a New Environment, 893 (Discussions, 901, 903, 905)
Defense of a Steady-State Economy (In), 945
Economics and the Quality of Life, 723
Effects of Zero Population Growth on the Spatial Distribution of Economic Activity (The), 964
Implications of Zero Growth for Agricultural Commodity Demand (The), 955
Market Solutions to Externality Problems: Theory and Practice, 175
Note on Uncertainty and Nonmarket Cost (A), 652
*Pollution*
Economic and Policy Implications of Pollution From Agricultural Chemicals: Comment, 534
Economic and Policy Implications of Pollution From Agricultural Chemicals: Reply, 536
Impact of Air Pollution Abatement Activities of Coal-Burning Electric Power Generating Plants on the Fertilizer Industry (The), 977
Theory of the Firm and The Management of Residuals, 315 (Discussion, 322)

**Food and Consumer Economics**

Clientele for Continuing Education in the 1970's, 910 (Discussions, 928, 930)
Consumer Attitudes and Their Impact on Fluid Milk Demand in Hawaii: A Component-Regression Analysis Approach, 671
Estimation of Demand Parameters Under Consumer Budgeting: An Application to Argentina, 422
Michigan Food Stamp Program: A Partial Analysis of Performance, 51
Taste, Technology and the Government: The Case of Tobacco, 976

**General Economics**

*Systems*
Defense of a Steady-State Economy (In), 945
Effects of Zero Population Growth on the Spatial Distribution of Economic Activity (The), 964
Implications of Zero Growth for Agricultural Commodity Demand (The), 955
*Theory—Micro*
Generalized Power Production Function (The), 234
Process Analysis and the Neoclassical Theory of Production, 279 (Discussion, 303)
Profit, Supply, and Factor Demand Functions, 11
*Welfare*
Agricultural Technology and the Distribution of Welfare Gains, 801 (Discussions, 815, 817)
Market Solutions to Externality Problems: Theory and Practice, 175
Note on Uncertainty and Nonmarket Cost (A), 652

**Human Resource Development**

Southern Tradition and Regional Progress: A Perspective from the 1970's, 736 (Discussions, 745, 747)

*Demographic Economics*
Implications of Zero Growth for Agricultural Commodity Demand (The), 955
Simulation Study of Population, Education, and Income Growth in Uganda (A): Comment, 524
*Education*
Allocation of Colleges and Economists, 934
Analytical Approach to the Consolidation of Counties in North and West Florida Based on Educational Efficiency Criteria (An), 980
Causes and Consequences of Higher Education: Models of the Status Attainment Process, 851 (Discussions, 862, 863)
Clientele for Continuing Education in the 1970's, 910 (Discussions, 928, 930)
Delivery Systems for Continuing Education, 916 (Discussions, 928, 930)
Research Support for Continuing Education, 922 (Discussions, 928, 930)
*Human Capital*
Increasing Economic Value of Human Time (The), 843 (Discussions, 862, 863)
*Welfare Programs*
Analysis of the Market for Food Stamps (An), 305
Analysis of the Market for Food Stamps: Correction and Extension (An), 689
Michigan Food Stamp Program: A Partial Analysis of Performance, 51
Welfare Analysis of Poverty Programs, 809 (Discussions, 815, 817)

**Institutions**
Analytical Institutional Economics: Challenging Problems in the Economics of Resources for a New Environment, 893 (Discussions, 901, 903, 905)
Economics and the Quality of Life, 723
Evaluation of Local Nonproperty Taxes For Rural and Urban Areas in Kansas, 635
Legal and Economic Rights of Holders of Government Allotments, 622
Sacred Cows, 526
Southern Tradition and Regional Progress: A Perspective from the 1970's, 736 (Discussions, 745, 747)

**Marketing and Location**
Agricultural Marketing Research for Less-Developed Areas, 666
*Competitive Position*
Inter-Fiber Competition and the Future of the United States Cotton Industry, 209
*Distribution*
Total Marketing System for U. S. Dairy Cooperatives (A), 271
*Efficiency*
Allocation of Random Supply of Tomatoes of Varied Quality Produced in Different Areas Among Plants Producing Multiple Product Lines, 790
Assembly and Distribution System Management: An Application of Lockset, 661
Price Alignment and Movements of Class I Milk Between Markets, 496
*Futures Markets*
Analysis of Potential Hedging Criteria for Live Hogs Using Seasonal Indices, 972
Economic Implications of Nonpar Delivery Points for the Live Cattle Futures Contract, 111
*Location*
Allocation of Random Supply of Tomatoes of Varied Quality Produced in Different Areas Among Plants Producing Multiple Product Lines, 790
Concave Programming Applied to Rice Mill Location, 126
Low-Cost Spatial Equilibrium Solution Procedure (A), 373

**Natural Resource Economics**
*Forests*
Public Pressures and Values, Federal Policy Changes, and Future Timber Supply, 881 (Discussions, 887, 889, 890)
*General*
Changed Distribution of Income Vs. Redistribution in Public Project Evaluation: Comment, 135
Changed Distribution of Income Vs. Redistribution in Public Project Evaluation: A Reply, 137
*Land Development and Land Use*
Dynamic Economic Model of Pasture and Range Investments (A): Comment, 131
Dynamic Economic Model of Pasture and Range Investments (A): Reply, 131
General Model for Evaluating Agricultural Flood Plains (A), 92
More Sophisticated Tools for Less Important Problems: The History of Range Improvement Research: A Comment, 132
More Sophisticated Tools for Less Important Problems: The History of Range Improvement Research: Reply, 134
Use Rates, Resource Flows, and Efficiency of Public Investment in Range Improvements, 611
*Marine and Fisheries*
Econometric Analysis of Shrimp Ex-Vessel Prices, 1950–1968 (An), 431
*Water Resources Development and Use*
Changed Distribution of Income Vs. Redistribution in Public Project Evaluation: Comment, 135
Changed Distribution of Income Vs. Redistribution in Public Project Evaluation: A Reply, 137
General Model for Evaluating Agricultural Flood Plains (A), 92
Model for Managing Reservoir Water Releases (A), 411
Project Selection and Macroeconomic Objectives: A Methodology Applied to Peruvian Irrigation Projects, 32
Risk Programming: An Aid in Planning Reservoir-Irrigation Systems, 249

**Production Economics and Management**
*Asset Replacement*
Asset Replacement Principles, 60
*Firm Growth*
Economic Analysis of Financial Growth Strategies for Large Pennsylvania Dairy Farms Under Competitive Labor Conditions, 979
Sequential Programming Model of Growth and Capital Accumulation of a Farm Under Uncertainty (A), 441
*General and Theoretical*
Allocative Efficiency, Traditional Agriculture, and Risk: Comment, 522

Allocative Efficiency, Traditional Agriculture, and Risk: Reply, 524
Alternatives to the Neoclassical Theory of the Firm (NTF), 295 (Discussion, 303)
Economics of Cropshare, Once Again: Comment, 686
Economics of Cropshare, Once Again: Reply, 688
Generalized Power Production Function (The), 234
Process Analysis and the Neoclassical Theory of Production, 279 (Discussion, 303)
Profit, Supply, and Factor Demand Functions, 11
Reliability of Using the Mean Absolute Deviation to Derive Efficient *E,V* Farm Plans, 503
Stepped Product Demand and Factor Supply Functions in Linear Programming Analyses, 116
Theory of the Firm and The Management of Residuals, 315

*Inputs*
Asset Indivisibility and Investment Planning: An Application of Linear Programming, 255
Asset Replacement Principles, 60
Comparison of Annual Versus Average Optima For Fertilizer Experiments (A), 226

*Organization and Management*
Agricultural Productivity, Technology, and Environmental Quality, 749 (Discussions, 757, 760, 761)
Allocation of Random Supply of Tomatoes of Varied Quality Produced in Different Areas Among Plants Producing Multiple Product Lines, 790
Analysis of Potential Hedging Criteria for Live Hogs Using Seasonal Indices, 972
Break-Even Analysis: A Practical Tool in Farm Management, 121
Changing Federal Income Tax Rates and Optimum Farm Size, 490
Dynamic Economic Model of Pasture and Range Investments (A): Comment, 131
Dynamic Economic Model of Pasture and Range Investments (A): Reply, 131
Economics of Cropshare, Once Again: Comment, 686
Economics of Cropshare, Once Again: Reply, 688
Generalized Constrained Games in Farm Planning, 591
Investment Behavior and the Supply Response of the Cattle Industry in Argentina (The), 976
More Sophisticated Tools for Less Important Problems: The History of Range Improvement Research: A Comment, 132
More Sophisticated Tools for Less Important Problems: The History of Range Improvement Research: Reply, 134
Optimal Levels of Fertilization Under Risk: Comment, 683
Optimal Levels of Fertilization Under Risk: Reply, 685
Optimal Sizes of Farms Under Varying Tenure Forms, Including Renting, Ownership, State, and Collective Structures: Comment, 142
Optimal Sizes of Farms Under Varying Tenure Forms, Including Renting, Ownership, State, and Collective Structures: Reply, 143
Practical Way to Select an Optimum Farm Plan Under Risk (A), 657
Strategies for the Creation and Transfer of the Farm Estate, 461
Tax Loss Agricultural Investments After Tax Reform, 627

*Risk and Uncertainty*
Allocative Efficiency, Traditional Agriculture, and Risk: Comment, 522
Allocative Efficiency, Traditional Agriculture, and Risk: Reply, 524
Economies of Size and the Spatial Distribution of Land in Farming Units, 654
Generalized Constrained Games in Farm Planning, 591
Optimal Levels of Fertilization Under Risk: Comment, 683
Optimal Levels of Fertilization Under Risk: Reply, 685
Optimal Levels of Fertilization Under Risk: The Potential for Corn and Wheat Fertilization Under Alternative Price Policies in Argentina, 1
Practical Way to Select an Optimum Farm Plan under Risk (A), 657
Separable Programming for Considering Risk in Farm Planning, 260
Truncated Maximin Approach to Farm Planning Under Uncertainty with Discrete Probability Distributions (A), 192

*Supply Response*
Structure of Production of Multiple-Output Dairy Farms in the "Centro Santafecino" Region of Argentina: A Multivariate Analysis (The), 977

**Public Policy and Programs**

*Domestic Agricultural Policy*
Estimated Net Costs of P.L. 480 Food Aid with Three Alternative U. S. Farm Programs, 41
Government Farm Programs and Commodity Interaction: A Simulation Analysis, 578
Industrial Perspective on Agricultural Policy in the 1970's (An), 797
Legal and Economic Rights of Holders of Government Allotments, 622

*Foreign*
Evaluation of Indian Fertilizer Projects: An Application of Consumer's and Producer's Surplus: Comment, 371
External Credit Policy for Latin America: Comment, 364
External Credit Policy for Latin America: Reply, 365
Rice Policy in Japan's Economic Development, 19
Social Rates of Return and Other Aspects of Agricultural Research: The Case of Cotton Research in São Paulo, Brazil, 557

*General*
Farmer Conservatism and the Incidence of Taxes, 485
Policy Environment for U. S. Agricultural Trade (The) 821 (Discussions, 834, 836, 837, 840)
Public Pressures and Values, Federal Policy Changes, and Future Timber Supply, 881 (Discussions, 887, 889, 890)
Tax Loss Agricultural Investments After Tax Reform, 627

*International Agricultural Policy*
Michigan Food Stamp Program: A Partial Analysis of Performance, 51
Modified Price, Production, and Income Impacts of Food Aid Under Market Differentiated Distribution, 201
Structure of Production of Multiple-Output Dairy

Farms in the "Centro Santafecino" Region of Argentina: A Multivariate Analysis (The), 977
*Programs*
Analysis of the Accuracy of USDA Crop Forecasts, 639
Analysis of the Market for Food Stamps (An), 305 (Discussion, 322)
Analysis of the Market for Food Stamps (An): Correction and Extension, 689
Income Maintenance Programs in the 1960's: A Survey, 342 (Discussions, 355, 357)
Taste, Technology and the Government: The Case of Tobacco, 976

**Regional Economics**
Effects of Zero Population Growth on the Spatial Distribution of Economic Activity (The), 964
*Community Development*
Community Development in the 1970's, 764 (Discussions, 773, 776)
*Regional Development*
Social Accounting System and Simulation Model Projecting Economic Variables and Analyzing the Structure of the Oklahoma Economy (A), 978
Southern Tradition and Regional Progress: A Perspective from the 1970's, 736 (Discussions, 745, 747)
*Rural Development*
Investments in Agricultural Processing for Rural Development in Oklahoma, 513

**Research Methodology**
*Econometric (application)*
Demand, Supply, and Price Relationships for the Broiler Sector, With Emphasis on the Jack-Knife Method, 245
Distributed Lag Models of Cotton Acreage Response: A Further Result, 108
Open Econometric Model of the Canadian Beef Cattle Sector (An), 84
Positivistic Measures of Aggregate Supply Elasticities: Some New Approaches—Rejoinder, 528
Positivistic Measures of Aggregate Supply Elasticities: Some New Approaches—A Further Reply, 530
Quarterly Models to Predict Cash Prices of Pork Bellies, 603
Statistical Vs. Judgment and Audience Considerations in the Formulation and Use of Econometric Models, 779
*General*
Converting National Supply and Demand Equations to a Common Currency for Internationally Traded Commodities, 538
*Institutional and Conceptual*
Sacred Cows, 526
*Operations Research*
Asset Indivisibility and Investment Planning: An Application of Linear Programming, 255
Concave Programming Applied to Rice Mill Location, 126
Evaluation of Alternative Flexibility Restraint Procedures For Recursive Programming Models Used for Prediction, 68
Government Farm Programs and Commodity Interaction: A Simulation Analysis, 578
Reliability of Using the Mean Absolute Deviation to Derive Efficient *E,V* Farm Plans, 503
Risk Programming: An Aid in Planning Reservoir-Irrigation Systems, 249
Separable Programming for Considering Risk in Farm Planning, 260
Stepped Product Demand and Factor Supply Functions in Linear Programming Analyses, 116
Truncated Maximim Approach to Farm Planning Under Uncertainty with Discrete Probability Distributions (A), 192
*Other*
Shift-Share Analysis as a Technique in Rural Development Research, 267
Trend Models of Feeder, Slaughter, and Wholesale Beef Cattle Prices, 507
*Simulation*
Simulation Study of Population, Education, and Income Growth in Uganda (A): Comment, 524
*Statistical*
Combining Statistical Techniques with Economic Theory for Commodity Forecasting, 784
Harmonic Analysis of Seasonal Data: Some Important Properties, 646
Our Obsolete Data Systems: New Directions and Opportunities, 867 (Discussions, 875, 878)

**Rural Appraisal and Taxation**
Changing Federal Income Tax Rates and Optimum Farm Size, 490
Evaluation of Local Nonproperty Taxes for Rural and Urban Areas in Kansas, 635
Farmer Conservatism and the Incidence of Taxes, 485
Second Look at the Impact of Differential Assessment of Farmland and Consequent Tax Shifting (A): Comment, 679
Second Look at the Impact of Differential Assessment of Farmland and Consequent Tax Shifting (A): Reply, 682
Tax Loss Agricultural Investments After Tax Reform, 627

**Social Welfare**
Mechanization and Social Welfare: A Belated Comment, 537
Welfare Analysis of Poverty Programs, 809 (Discussions, 815, 817)

**Socioeconomic Research**
Socioeconomic Behavior of Cattle Ranchers, with Implications for Rural Community Development in the West, 217

**Technological Change**
*General*
Agricultural Technology and the Distribution of Welfare Gains, 801 (Discussions, 815, 817)
Allocation of Colleges and Economists, 934
Mechanization and Social Welfare: A Belated Comment, 537
Projections of Effects of Modern Inputs on Agricultural Income and Employment in a Community Development Block, Uttar Pradesh, India, 452
Technical Change and the Distribution of Income in Rural Areas, 326 (Discussions, 355, 357)

*Innovation*
Predicting the Effects of High-Lysine Corn on the Hog Economy, 492

**Trade**
Economic Analysis of the Quota on United States Beef Imports (An), 979
*International*
Policy Environment for U. S. Agricultural Trade (The), 821 (Discussions, 834, 836, 837, 840)
World Trade Prospects for U. S. Agriculture, 827 (Discussions, 834, 836, 837, 840)

Book Reviews, Feb., 147, May, 378, Aug., 539, Nov., 695
Books Received, Feb., 153, May, 387, Aug., 550, Nov., 703
News Notes, Feb., 157, May, 396, Aug., 553, Nov., 710
First Award Paper in Undergraduate Student Essay Contest, Dec., 792
Abstracts of Award-Winning Theses, Dec., 976
Reports and Minutes—American Agricultural Economics Association, Dec., 981
AAEA Committee Structure, 1971–1972, May, 392

## AUTHORS

**Adams, Dale W.,** *External Credit Policy for Latin America: Reply,* May, 365

**Allee, David, J.,** *Discussion: Analytical Institutional Economics: Challenging Problems in the Economics of Resources for a New Environment,* Dec., 901

**Anderson, J. R., and John L. Dillon,** *Allocative Efficiency, Traditional Agriculture, and Risk: Reply,* Aug., 524

**Ayer, Harry W., and G. Edward Schuh,** *Social Rates of Return and Other Aspects of Agricultural Research: The Case of Cotton Research in São Paulo, Brazil,* Nov., 557

**Babb, Emerson, and Arlo J. Minden,** *A Total Marketing System for U. S. Dairy Cooperatives,* May, 271

**Back, William B.,** *Discussion: Income Maintenance Programs in the 1960's: A Survey,* May, 355

**Baker, Chester B., and John T. Scott, Jr.,** *A Practical Way to Select an Optimum Farm Plan Under Risk,* Nov., 657

**Barr, Wallace,** *Discussion: World Trade Prospects for U. S. Agriculture,* Dec., 837

**Barry, Peter J.,** *Asset Indivisibility and Investment Planning: An Application of Linear Programming,* May, 255

**Bawden, D. Lee,** *Welfare Analysis of Poverty Programs,* Dec., 809

**Bell, David M.,** *The Impact of Air Pollution Abatement Activities of Coal-Burning Electric Power Generating Plants on the Fertilizer Industry,* Dec., 977

**Berry, Russell L.,** *Break-Even Analysis: A Practical Tool in Farm Management,* Feb., 121

**Bickel, Hans, and E. Ray Canterbery,** *The Green Revolution: A Reply to Professors Ruttan and Mellor,* May, 366

**Biere, Arlo W.,** *Discussion: Agricultural Productivity, Technology, and Environmental Quality,* Dec., 757

**Biere, Arlo W., and Ivan M. Lee,** *A Model for Managing Reservoir Water Releases,* Aug., 411

**Bieri, J., A. de Janvry, and A. Nuñez,** *Estimation of Demand Parameters Under Consumer Budgeting: An Application to Argentina,* Aug., 422

**Bieri, Jurg, Alain de Janvry, and Andrew Schmitz,** *Agricultural Technology and the Distribution of Welfare Gains,* Dec., 801

**Blakeslee, Leroy, Wayne Thomas, LeRoy Rogers, and Norman Whittlesey,** *Separable Programming for Considering Risk in Farm Planning,* May, 260

**Blakley, Leo V., and Donald W. Kloth,** *Price Alignment and Movements of Class I Milk Between Markets,* Aug., 496

**Boehlje, Michael D., and Ludwig M. Eisgruber,** *Strategies for the Creation and Transfer of the Farm Estate,* Aug., 461

**Bonnen, James T., James Hildreth, George Judge, George Tolley, and Harry Trelogan,** *Our Obsolete Data Systems: New Directions and Opportunities,* Dec., 867

**Bottum, John S.,** *Discussion: Community Development in the 1970s,* Dec., 773

**Boxley, Robert F.,** *Economics of Cropshare, Once Again: Reply,* Nov., 688

**Breimyer, Harold F.,** *Tradition and Protectionism—The AAEA and Its Journal: Comment,* Aug., 520

**Brinkman, George L.,** *The Effects of Zero Population Growth on the Spatial Distribution of Economic Activity,* Dec., 964

**Bromley, Daniel W.,** *A Dynamic Economic Model of Pasture and Range Investments: Comment,* Feb., 131

**Bryant, W. Keith,** *An Analysis of the Market for Food Stamps,* May, 305

**Bryant, W. Keith,** *An Analysis of the Market for Food Stamps: Correction and Extension,* Nov., 689

**Burt, Oscar R.,** *A Dynamic Economic Model of Pasture and Range Investments: Reply,* Feb., 131

**Burt, Oscar R.,** *More Sophisticated Tools for Less Important Problems: The History of Range Improvement Research: Reply,* Feb., 134

**Burt, Oscar R.,** *Positivistic Measures of Aggregate Supply Elasticities: Some New Approaches—Rejoinder,* Aug., 528

**Callen, Richard W., J. Michael Sprott, and Russell G. Thompson,** *Demand, Supply, and Price Relationships for the Broiler Sector, With Emphasis on the Jack-Knife Method,* May, 245

**Candler, Wilfred, James C. Snyder, and William Faught,** *Concave Programming Applied to Rice Mill Location,* Feb., 126

**Canterbery, E. Ray, and Hans Bickel,** *The Green Revolution: A Reply to Professors Ruttan and Mellor,* May, 366

**Carman, Hoy F.,** *Changing Federal Income Tax Rates and Optimum Farm Size,* Aug., 490

**Carman, Hoy F.,** *Tax Loss Agricultural Investments After Tax Reform,* Nov., 627

**Casler, George L.,** *Economic and Policy Implications of Pollution from Agricultural Chemicals: Comment,* Aug., 534

**Castle, Emery N.,** *Economics and the Quality of Life,* Dec., 723

**Castle, Emery N.,** *Has the AAEA Become "Awards Happy"?: A Reply,* Feb., 140

**Chapman, Duane,** *A Note on Uncertainty and Nonmarket Cost,* Nov., 652
**Chen, Dean, Richard Courtney, and Andrew Schmitz,** *A Polynomial Lag Formulation of Milk Production Response,* Feb., 77
**Ching, C. T. K., and G. E. Frick,** *A Second Look at the Impact of Differential Assessment of Farmland and Consequent Tax Shifting: Reply,* Nov., 682
**Colyer, Dale,** *External Credit Policy for Latin America: Comment,* May, 364
**Conner, J. R., R. J. Freund, and M. R. Godwin,** *Risk Programming: An Aid in Planning Reservoir-Irrigation Systems,* May, 249
**Courtney, Richard, Dean Chen, and Andrew Schmitz,** *A Polynomial Lag Formulation of Milk Production Response,* Feb., 77
**Cramer, Gail L.,** *Ph.D. Dissertation Awards: Does the Best Always Win?: Comment,* Feb., 141
**Craven, John A., Richard J. Foote, and Robert R. Williams, Jr.,** *Quarterly Models to Predict Cash Prices of Pork Bellies,* Nov., 603
**Crow, J. Richard, John B. Riley, and Wayne D. Purcell,** *Economic Implications of Nonpar Delivery Points for the Live Cattle Futures Contract,* Feb., 111
**Crowder, Richard T.,** *Statistical vs. Judgment and Audience Considerations in the Formulation and Use of Econometric Models,* Dec., 779
**Curtis, Wayne C.,** *Shift-Share Analysis as a Technique in Rural Development Research,* May, 267
**Dalrymple, Dana G.,** *Mechanization and Social Welfare: A Belated Comment,* Aug., 537
**Daly, Herman E.,** *In Defense of a Steady-State Economy,* Dec., 945
**Dardis, R., and B. Smith,** *Inter-Fiber Competition and the Future of the United States Cotton Industry,* May, 209
**Davis, J. Ronnie, and Charles W. Meyer,** *Farmer Conservatism and the Incidence of Taxes,* Aug., 485
**de Janvry, Alain,** *The Generalized Power Production Function,* May, 234
**de Janvry, Alain,** *Optimal Levels of Fertilization Under Risk: The Potential for Corn and Wheat Fertilization Under Alternative Price Policies in Argentina,* Feb., 1
**de Janvry, Alain,** *Optimal Levels of Fertilization Under Risk: Reply,* Nov., 685
**de Janvry, Alain, Jurg Bieri, and Andrew Schmitz,** *Agricultural Technology and the Distribution of Welfare Gains,* Dec., 801
**de Janvry, A., J. Bieri, and A. Nuñez,** *Estimation of Demand Parameters Under Consumer Budgeting: An Application to Argentina,* Aug., 422
**Dillon, John L., and J. R. Anderson,** *Allocative Efficiency, Traditional Agriculture, and Risk: Reply,* Aug., 524
**Dobson, W. D., G. Gunnelson, and S. Pamperin,** *Analysis of the Accuracy of USDA Crop Forecasts,* Nov., 639
**Doeksen, Gerald Arthur,** *A Social Accounting System and Simulation Model Projecting Economic Variables and Analyzing the Structure of the Oklahoma Economy,* Dec., 978
**Doeksen, Gerald A., and Dean F. Schreiner,** *Investments in Agricultural Processing for Rural Development in Oklahoma,* Aug., 513
**Doll, John P.,** *A Comparison of Annual Versus Average Optima for Fertilizer Experiments,* May, 226
**Doll, John P.,** *An Econometric Analysis of Shrimp Ex-Vessel Prices, 1950–1968,* Aug., 431
**Doran, H. E., and J. J. Quilkey,** *Harmonic Analysis of Seasonal Data: Some Important Properties,* Nov., 646
**Duft, Ken D.,** *Discussion: Research Support for Continuing Education,* Dec., 930
**Dunn, Edgar S., Jr.,** *Discussion: Our Obsolete Data Systems: New Directions and Opportunities,* Dec., 878
**Durant, Fred J.,** *Economic Analysis of Financial Growth Strategies for Large Pennsylvania Dairy Farms Under Competitive Labor Conditions,* Dec., 979
**Eckland, Bruce K.,** *Discussion: Causes and Consequences of Higher Education: Models of the Status Attainment Process,* Dec., 863
**Eidman, Vernon R., and Ronald D. Lacewell,** *A General Model for Evaluating Agricultural Flood Plains,* Feb., 92
**Eiler, Doyle A., and Eddy L. LaDue,** *Needed: More Efficient Use of Computer Resources,* Nov., 693
**Eisgruber, Ludwig M.,** *Research Support for Continuing Education,* Dec., 922
**Eisgruber, Ludwig M., and Michael D. Boehlje,** *Strategies for the Creation and Transfer of the Farm Estate,* Aug., 461
**Elefson, Vern,** *Quantitative Training of Undergraduates: Comment,* Aug., 531
**Elliott, David P.,** *Converting National Supply and Demand Equations to a Common Currency for Internationally Traded Commodities,* Aug., 538
**Faris, J. Edwin,** *Discussion: Alternatives to the Neoclassical Theory of the Firm (NTF),* May, 303
**Farris, D. E., and J. M. Sprott,** *Economic and Policy Implications of Pollution from Agricultural Chemicals: Reply,* Aug., 536
**Faught, William, James C. Snyder, and Wilfred Candler,** *Concave Programming Applied to Rice Mill Location,* Feb., 126
**Firch, Robert S.,** *A Market-Share Approach to the Foreign Demand for U. S. Cotton: Comment,* May, 375
**Foote, Richard J., John A. Craven, and Robert R. Williams, Jr.,** *Quarterly Models to Predict Cash Prices of Pork Bellies,* Nov., 603
**Franzmann, John R., and Rodney L. Walker,** *Trend Models of Feeder, Slaughter, and Wholesale Beef Cattle Prices,* Aug., 507
**Freund, R. J., J. R. Conner, and M. R. Godwin,** *Risk Programming: An Aid in Planning Reservoir-Irrigation Systems,* May, 249
**Frick, G. E., and C. T. K. Ching,** *A Second Look at the Impact of Differential Assessment of Farmland and Consequent Tax Shifting: Reply,* Nov., 682
**Gardner, Bruce,** *Minimum Wages and the Farm Labor Market,* Aug., 473
**Gardner, B. Delworth,** *Discussion: Welfare Analysis of Poverty Programs,* Dec., 817
**Georgescu-Roegen, Nicholas,** *Process Analysis and the Neoclassical Theory of Production,* May, 279
**Godfrey, E. Bruce, and Joe B. Stevens,** *Use Rates, Resource Flows, and Efficiency of Public Investment in Range Improvements,* Nov., 611
**Godwin, M. R., J. R. Conner, and R. J. Freund,** *Risk Programming: An Aid in Planning Reservoir-Irrigation Systems,* May, 249
**Gotsch, Carl H.,** *Technical Change and the Distribution of Income in Rural Areas,* May, 326

**Grove, Ernest W.,** *Has the AAEA Become "Awards Happy"? A Comment,* Feb., 139
**Gunnelson, G., W. D. Dobson, and S. Pamperin,** *Analysis of the Accuracy of USDA Crop Forecasts,* Nov., 639
**Hallberg, M. C.,** *Assembly and Distribution System Management: An Application of Lockset,* Nov., 661
**Hammonds, Timothy M., and A. Gene Nelson,** *Predicting the Effects of High-Lysine Corn on the Hog Economy,* Aug., 492
**Hauser, Robert M., and William H. Sewell,** *Causes and Consequences of Higher Education: Models of the Status Attainment Process,* Dec., 851
**Hayami, Yujiro,** *Rice Policy in Japan's Economic Development,* Feb., 19
**Hazell, P. B. R., and K. J. Thomson,** *Reliability of Using the Mean Absolute Deviation to Derive Efficient E,V Farm Plans,* Aug., 503
**Headley, J. Charles,** *Agricultural Productivity, Technology, and Environmental Quality,* Dec., 749
**Heady, Earl O.,** *Allocations of Colleges and Economists,* Dec., 934
**Heady, Earl O.,** *Optimal Sizes of Farms under Varying Tenure Forms, Including Renting, Ownership, State, and Collective Structures: Reply,* Feb., 143
**Heady, Earl O., and Daryll E. Ray,** *Government Farm Programs and Commodity Interaction: A Simulation Analysis,* Nov., 578
**Heady, Earl O., Keith D. Rogers, and Uma K. Srivastava,** *Modified Price, Production, and Income Impacts of Food Aid Under Market Differentiated Distribution,* May, 201
**Hildreth, James, George Judge, George Tolley, Harry Trelogan, and James T. Bonnen,** *Our Obsolete Data Systems: New Directions and Opportunities,* Dec., 867
**Hildreth, R. J., and W. Neill Schaller,** *Community Development in the 1970's,* Dec., 764
**Hite, James C.,** *Discussion: Agricultural Productivity, Technology, and Environmental Quality,* Dec., 759
**Ho, Foo-Shiung, and Richard A. King,** *A Low-Cost Spatial Equilibrium Solution Procedure,* May, 373
**Horowitz, U., and D. Yaron,** *A Sequential Programming Model of Growth and Capital Accumulation of a Farm Under Uncertainty,* Aug., 441
**Houck, J. P., and M. E. Ryan,** *Supply Analysis for Corn in the United States: The Impact of Changing Government Programs,* May, 184
**Jackson, Geoffrey H.,** *An Economic Analysis of the Quota on United States Beef Imports,* Dec., 979
**Johnson, Glenn L.,** *Alternatives to the Neoclassical Theory of the Firm (NTF),* May, 295
**Johnson, Paul R.,** *A Market-Share Approach to the Foreign Demand for U. S. Cotton: Reply,* May, 376
**Johnston, Warren E.,** *Economies of Size and the Spatial Distribution of Land in Farming Units,* Nov., 654
**Jones, Lonnie L., Curtis F. Lard, and Lester V. Manderscheid,** *Present Status of Quantitative Techniques in Undergraduate Agricultural Economics Programs,* Feb., 102
**Jones, Lonnie L., Lester V. Manderscheid, and Curtis F. Lard,** *On the Evaluation of Departments of Agricultural Economics: Reply,* Aug., 534
**Jones, Lonnie L., Lester V. Manderscheid, and Curtis F. Lard,** *Quantitative Training of Undergraduates: Reply,* Aug., 532
**Judge, George, George Tolley, Harry Trelogan, James T. Bonnen, and James Hildreth,** *Our Obsolete Data Systems: New Directions and Opportunities,* Dec., 867
**Kalter, Robert J., and Thomas H. Stevens,** *Changed Distribution of Income vs. Redistribution in Public Project Evaluation: A Reply,* Feb., 137
**Kaminsky, Mario,** *The Structure of Production of Multiple-Output Dairy Farms in the "Centro Santafecino" Region of Argentina; A Multivariate Analysis,* Dec., 977
**Kawaguchi, T., and Y. Maruyama,** *Generalized Constrained Games in Farm Planning,* Nov., 591
**Kim, Kwan S.,** *Economics of Cropshare, Once Again: Comment,* Nov., 686
**King, Richard A.,** *Discussion: Welfare Analysis of Poverty Programs,* Dec., 815
**King, Richard A., and Foo-Shiung Ho,** *A Low-Cost Spatial Equilibrium Solution Procedure,* May, 373
**Kloth, Donald W., and Leo V. Blakley,** *Price Alignment and Movements of Class I Milk Between Markets,* Aug., 496
**Kneese, Allen V.,** *Discussion: Theory of the Firm and The Management of Residuals,* May, 322
**Kolmer, Lee R.,** *Delivery Systems for Continuing Education,* Dec., 916
**Kuang, Harvey H. S.,** *Allocation of Random Supply of Tomatoes of Varied Quality Produced in Different Areas Among Plants Producing Multiple Product Lines,* Dec., 790
**Kulshreshtha, S. N., and A. G. Wilson,** *An Open Econometric Model of the Canadian Beef Cattle Sector,* Feb., 84
**Lacewell, Ronald D., and Vernon R. Eidman,** *A General Model for Evaluating Agricultural Flood Plains,* Feb., 92
**LaDue, Eddy L., and Doyle A. Eiler,** *Needed: More Efficient Use of Computer Resources,* Nov., 693
**Langham, Max R.,** *Theory of the Firm and The Management of Residuals,* May, 315
**Lard, Curtis F., Lonnie L. Jones, and Lester V. Manderscheid,** *Present Status of Quantitative Techniques in Undergraduate Agricultural Economics Programs,* Feb., 102
**Lard, Curtis F., Lonnie L. Jones, and Lester V. Manderscheid,** *On the Evaluation of Departments of Agricultural Economics: Reply,* Aug., 534
**Lard, Curtis F., Lonnie L. Jones, and Lester V. Manderscheid,** *Quantitative Training of Undergraduates: Reply,* Aug., 532
**Lau, Lawrence J., and Pan A. Yotopoulos,** *Profit, Supply, and Factor Demand Functions,* Feb., 11
**Lee, Ivan M., and Arlo W. Biere,** *A Model for Managing Reservoir Water Releases,* Aug., 411
**Lee, John E., Jr.,** *Discussion: Our Obsolete Data Systems: New Directions and Opportunities,* Dec., 875
**Lewis, Kenneth A.,** *An Econometric Analysis of the Demand for Textile Fibers,* May, 238
**Lianos, Theodore P.,** *Impact of Minimum Wages Upon the Level and Composition of Agricultural Employment,* Aug., 477
**Lianos, Theodore P., and Quirino Paris,** *American Agriculture and the Prophecy of Increasing Misery,* Nov., 570
**Lianos, Theodore P., and Edith Hall Parker,** *Discrimination in the Markets for Farm Capital? Comment,* May, 369
**Little, Joseph W.,** *Discussion: Analytical Institutional*

*Economics: Challenging Problems in the Economics of Resources for a New Environment*, Dec., 905

**Maddox, James G.**, *Discussion: Southern Tradition and Regional Progress: A Perspective from the 1970's*, Dec., 745

**Manderscheid, Lester V., Lonnie L. Jones, and Curtis F. Lard**, *Present Status of Quantitative Techniques in Undergraduate Agricultural Economics Programs*, Feb., 102

**Manderscheid, Lester V., Lonnie L. Jones, and Curtis F. Lard**, *Quantitative Training of Undergraduates: Reply*, Aug., 532

**Mann, Charles K.**, *Taste, Technology, and the Government: The Case of Tobacco*, Dec., 976

**Martin, Neil R., Jr.**, *Stepped Product Demand and Factor Supply Functions in Linear Programming Analyses*, Feb., 116

**Martin, William E.**, *Discussion: Analytical Institutional Economics: Challenging Problems in the Economics of Resources for a New Environment*, Dec., 903

**Martin, William E.**, *More Sophisticated Tools for Less Important Problems: The History of Range Improvement Research: A Comment*, Feb., 132

**Martin, William E., and Arthur H. Smith**, *Socioeconomic Behavior of Cattle Ranchers, with Implications for Rural Community Development in the West*, May, 217

**Maruyama, Yoshihiro**, *A Truncated Maximin Approach to Farm Planning Under Uncertainty with Discrete Probability Distributions*, May, 192

**Maruyama, Y., and T. Kawaguchi**, *Generalized Constrained Games in Farm Planning*, Nov., 591

**Mayer, Leo V.**, *Estimated Net Costs of P.L. 480 Food Aid with Three Alternative U. S. Farm Programs*, Feb., 41

**McGaughey, Stephen E., and Erik Thorbecke**, *Project Selections and Macroeconomic Objectives: A Methodology Applied to Peruvian Irrigation Projects*, Feb., 32

**McMinimy, Vernon, and Ted Rice**, *Discussion: World Trade Prospects for U. S. Agriculture*, Dec., 836

**McMurtry, Gene**, *Discussion: Community Development in the 1970's*, Dec., 776

**Mellor, John W.**, *The Green Revolution: A Reply To Professors Ruttan and Mellor: A Further Reply*, May, 368

**Meyer, Charles W., and J. Ronnie Davis**, *Farmer Conservatism and the Incidence of Taxes*, Aug., 485

**Miller, Thomas A.**, *Evaluation of Alternative Flexibility Restraint Procedures for Recursive Programming Models Used for Prediction*, Feb., 68

**Minden, Arlo J., and Emerson Babb**, *A Total Marketing System for U. S. Dairy Cooperatives*, May, 271

**Molster, H. C.**, *Allocative Efficiency, Traditional Agriculture, and Risk: Comment*, Aug., 522

**Muench, John, Jr.**, *Public Pressures and Values, Federal Policy Changes, and Future Timber Supply*, Dec., 881

**Myers, Walter M.**, *Combining Statistical Techniques with Economic Theory for Commodity Forecasting*, Dec., 784

**Narrie, David B.**, *On the Evaluation of Departments of Agricultural Economics: Comment*, Aug., 532

**Nelson, A. Gene, and Timothy M. Hammonds**, *Predicting the Effects of High-Lysine Corn on the Hog Economy*, Aug., 492

**Nelson, Paul E., Jr.**, *Michigan Food Stamp Program: A Partial Analysis of Performance*, Feb., 51

**Nicholls, William H.**, *Southern Tradition and Regional Progress: A Perspective from the 1970's*, Dec., 736

**Norvell, Douglass G.**, *A Simulation Study of Population, Education, and Income Growth in Uganda: Comment*, Aug., 524

**Nuñez, A., A. de Janvry, and J. Bieri**, *Estimation of Demand Parameters Under Consumer Budgeting: An Application to Argentina*, Aug., 422

**Orazem, Frank, and Ronald G. Trostle.** *Evaluation of Local Nonproperty Taxes for Rural and Urban Areas in Kansas*, Nov., 635

**Owens, Emiel W.**, *Income Maintenance Programs in the 1960's: A Survey*, May, 342

**Pamperin, S., W. D. Dobson, and G. Gunnelson**, *Analysis of the Accuracy of USDA Crop Forecasts*, Nov., 639

**Paris, Quirino, and Theodore P. Lianos**, *American Agriculture and the Prophecy of Increasing Misery*, Nov., 570

**Parker, Edith Hall, and Theodore P. Lianos**, *Discrimination in the Markets for Farm Capital? Comment*, May, 369

**Pasour, E. C., Jr.**, *Legal and Economic Rights of Holders of Government Allotments*, Nov., 622

**Pearce, William R.**, *Discussion: World Trade Prospects for U. S. Agriculture*, Dec., 834

**Penson, John B., Jr.**, *Demand for Financial Assets in the Farm Sector: A Portfolio Balance Approach*, May, 163

**Perelman, Michael**, *Sacred Cows*, Aug., 526

**Perrin, R. K.**, *Asset Replacement Principles*, Feb., 60

**Perrin, Richard K.**, *Optimal Levels of Fertilization Under Risk: Comment*, Nov., 683

**Polopolus, Leo, and John C. Redman**, *Tradition and Protectionism—The AAEA and Its Journal: Reply*, Aug., 521

**Purcell, Wayne D., Richard J. Crow, and John B. Riley**, *Economic Implications of Nonpar Delivery Points for the Live Cattle Futures Contract*, Feb., 111

**Quance, Leroy, and Luther Tweeten**, *Positivistic Measures of Aggregate Supply Elasticities: Some New Approaches—A Further Reply*, Aug., 530

**Quilkey, J. J., and H. E. Doran**, *Harmonic Analysis of Seasonal Data: Some Important Properties*, Nov., 646

**Randall, Alan**, *Market Solutions to Externality Problems: Theory and Practice*, May, 175

**Ratnam, Nittala V., and Heinz, Spielmann**, *Consumer Attitudes and Their Impact on Fluid Milk Demand in Hawaii: A Component-Regression Analysis Approach*, Nov., 671

**Ray, Daryll E., and Earl O. Heady**, *Government Farm Programs and Commodity Interaction: A Simulation Analysis*, Nov., 578

**Redfern, J. Martin**, *Discussion: Income Maintenance Programs in the 1960's: A Survey*, May, 357

**Redman, John C.**, *Locational Distribution of AAEA Membership and Journal Contribution*, Feb., 145

**Redman, John C., and Leo Polopolus**, *Tradition and Protectionism—The AAEA and Its Journal: Reply*, Aug., 521

**Rice, Ted, and Vernon McMinimy**, *Discussion: World Trade Prospects for U. S. Agriculture*, Dec., 836

**Ricker, William D.**, *An Analytical Approach to the Consolidation of Counties in North and West Florida Based on Educational Efficiency Criteria*, Dec., 980

**Riley, John B., Richard J. Crow, and Wayne D. Purcell**, *Economic Implications of Nonpar Delivery*

*Points for the Live Cattle Futures Contract*, Feb., 111

**Rogers, Keith D., Uma K. Srivastava, and Earl O. Heady,** *Modified Price, Production, and Income Impacts of Food Aid Under Market Differentiated Distribution*, May, 201

**Rogers, LeRoy, Wayne Thomas, Leroy Blakeslee, and Norman Whittlesey,** *Separable Programming for Considering Risk in Farm Planning*, May, 260

**Ryan, M. E., and J. P. Houck,** *Supply Analysis for Corn in the United States: The Impact of Changing Government Programs*, May, 184

**Schallau, Con H.,** *Discussion: Public Pressures and Values, Federal Policy Changes, and Future Timber Supply*, Dec., 889

**Schaller, W. Neill, and R. J. Hildreth,** *Community Development in the 1970's*, Dec., 764

**Schmid, A. Allan,** *Analytical Institutional Economics: Challenging Problems in the Economics of Resources for a New Environment*, Dec., 893

**Schmid, A. Allan,** *Changed Distribution of Income vs. Redistribution in Public Project Evaluation: Comment*, Feb., 135

**Schmitz, Andrew, Dean Chen, and Richard Courtney,** *A Polynomial Lag Formulation of Milk Production Response*, Feb., 77

**Schmitz, Andrew, Alain de Janvry, and Jurg Bieri,** *Agricultural Technology and the Distribution of Welfare Gains*, Dec., 801

**Schoeplein, Justine Dakin, and Robert N. Schoeplein,** *A Second Look at the Impact of Differential Assessment of Farmland and Consequent Tax Shifting: Comment*, Nov., 679

**Schoeplein, Robert N., and Justine Dakin Schoeplein,** *A Second Look at the Impact of Differential Assessment of Farmland and Consequent Tax Shifting: Comment*, Nov. 679

**Schreiner, Dean F., and Gerald A. Doeksen,** *Investments in Agricultural Processing for Rural Development in Oklahoma*, Aug., 513

**Schuh, G. Edward, and Harry W. Ayer,** *Social Rates of Return and Other Aspects of Agricultural Research: The Case of Cotton Research in São Paulo, Brazil*, Nov., 557

**Schultz, Theodore W.,** *The Increasing Economic Value of Human Time*, Dec., 843

**Scott, John T., Jr., and Chester B. Baker,** *A Practical Way to Select an Optimum Farm Plan Under Risk*, Nov., 657

**Seevers, Gary L.,** *The Policy Environment for U. S. Agricultural Trade*, Dec., 821

**Serow, William J.,** *The Implications of Zero Growth for Agricultural Commodity Demand*, Dec., 955

**Sewell, William H., and Robert M. Hauser,** *Causes and Consequences of Higher Education: Models of the Status Attainment Process*, Dec., 851

**Skok, Richard A.,** *Discussion: Public Pressures and Values, Federal Policy Changes, and Future Timber Supply*, Dec., 887

**Smith, Allen G.,** *Is There Disinvestment in the Farming Sector?*, May, 275

**Smith, Arthur H., and William E. Martin,** *Socioeconomic Behavior of Cattle Ranchers, with Implications for Rural Community Development in the West*, May, 217

**Smith B., and R. Dardis,** *Inter-Fiber Competition and the Future of the United States Cotton Industry*, May, 209

**Smith, Eldon D.,** *Agricultural Marketing Research for Less-Developed Areas*, Nov., 666

**Snyder, James C., Wilfred Candler, and William Faught,** *Concave Programming Applied to Rice Mill Location*, Feb., 126

**Sparks, Willard R.,** *An Industrial Perspective on Agricultural Policy in the 1970's*, Dec., 797

**Spengler, J. J.,** *Discussion: Southern Tradition and Regional Progress: A Perspective from the 1970's*, Dec., 747

**Spielmann, Heinz, and Nittala V. Ratnam,** *Consumer Attitudes and Their Impact on Fluid Milk Demand in Hawaii: A Component-Regression Analysis Approach*, Nov., 671

**Sprott, J. M., and D. E. Farris,** *Economic and Policy Implications of Pollution from Agricultural Chemicals: Reply*, Aug., 536

**Sprott, J. Michael, Russell G. Thompson, and Richard W. Callen,** *Demand, Supply, and Price Relationships for the Broiler Sector, With Emphasis on the Jack-Knife Method*, May, 245

**Srivastava, Uma K., Keith D. Rogers, and Earl O. Heady,** *Modified Price, Production, and Income Impacts of Food Aid Under Market Differentiated Distribution*, May, 201

**Stanton, B. F.,** *Clientele for Continuing Education in the 1970's*, Dec., 910

**Stevens, Joe B., and E. Bruce Godfrey,** *Use Rates, Resource Flows, and Efficiency of Public Investment in Range Improvements*, Nov., 611

**Stevens, Thomas H., and Robert J. Kalter,** *Changed Distribution of Income vs. Redistribution in Public Project Evaluation: A Reply*, Feb., 137

**Stoevener, Herbert H.,** *Discussion: Agricultural Productivity, Technology, and Environmental Quality*, Dec., 761

**Taeuber, Conrad,** *Future Census Data for Agriculture: Comment*, May, 360

**Tetro, Robert C.,** *Discussion: World Trade Prospects for U. S. Agriculture*, Dec., 840

**Thomas, Wayne, Leroy Blakeslee, LeRoy Rogers, and Norman Whittlesey,** *Separable Programming for Considering Risk in Farm Planning*, May, 260

**Thompson, Russell G., J. Michael Sprott, and Richard W. Callen,** *Demand, Supply, and Price Relationships for the Broiler Sector, With Emphasis on the Jack-Knife Method*, May, 245

**Thomson, K. J., and P. B. R. Hazell,** *Reliability of Using the Mean Absolute Deviation to Derive Efficient E,V Farm Plans*, Aug., 503

**Thorbecke, Erik, and Stephen E. McGaughey,** *Project Selection and Macroeconomic Objectives: A Methodology Applied to Peruvian Irrigation Projects*, Feb., 32

**Tinney, Robert, and Finis Welch,** *Discrimination in Markets for Farm Capital? Reply*, May, 371

**Tolley, George, Harry Trelogan, James T. Bonnen, James Hildreth, and George Judge,** *Our Obsolete Data Systems: New Directions and Opportunities*, Dec., 867

**Tomek, William G.,** *Distributed Lag Models of Cotton Acreage Response: A Further Result*, Feb., 108

**Trelogan, Harry C.,** *Future Census Data for Agriculture: Reply*, May, 363

**Trelogan, Harry, James T. Bonnen, James Hildreth, George Judge, and George Tolley,** *Our Obsolete Data Systems: New Directions and Opportunities,* Dec., 867

**Trostle, Ronald G., and Frank Orazem,** *Evaluation of Local Nonproperty Taxes for Rural and Urban Areas in Kansas,* Nov., 635

**Tweeten, Luther,** *Discussion: Causes and Consequences of Higher Education: Models of the Status Attainment Process,* Dec., 862

**Tweeten, Luther, and Leroy Quance,** *Positivistic Measures of Aggregate Supply Elasticities: Some New Approaches—A Further Reply,* Aug., 530

**Ulveling, Edwin F.,** *Optimal Sizes of Farms Under Varying Tenure Forms, Including Renting, Ownership, State, and Collective Structures,* Feb., 142

**Vaidya, Kirit G.,** *Evaluation of Indian Fertilizer Projects: An Application of Consumer's and Producer's Surplus: Comment,* May, 371

**Walker, Rodney L., and John R. Franzmann,** *Trend Models of Feeder, Slaughter, and Wholesale Beef Cattle Prices,* Aug., 507

**Welch, Finis, and Robert Tinney,** *Discrimination in Markets for Farm Capital? Reply,* May, 371

**West, Quentin M.,** *World Trade Prospects for U. S. Agriculture,* Dec., 827

**Whittlesey, Norman, LeRoy Rogers, Wayne Thomas, and Leroy Blakeslee,** *Separable Programming for Considering Risk in Farm Planning,* May, 260

**Williams, Robert R., Jr., John A. Craven, and Richard J. Foote,** *Quarterly Models to Predict Cash Prices of Pork Bellies,* Nov., 603

**Williams, T. T.,** *Discussion: Research Support for Continuing Education,* Dec., 928

**Wills, Ian R.,** *Projections of Effects of Modern Inputs on Agricultural Income and Employment in a Community Development Block, Uttar Pradesh, India,* Aug., 452

**Wilson, A. G., and S. N. Kulshreshtha,** *An Open Econometric Model of the Canadian Beef Cattle Sector,* Feb., 84

**Wood, John E.,** *Analysis for Potential Hedging Criteria for Live Hogs Using Seasonal Indices,* Dec., 972

**Yaron, D., and U. Horowitz,** *A Sequential Programming Model of Growth and Capital Accumulation of a Farm Under Uncertainty,* Aug., 441

**Yoho, James G.,** *Discussion: Public Pressures and Values, Federal Policy Changes, and Future Timber Supply,* Dec., 890

**Yotopoulos, Pan A., and Lawrence J. Lau,** *Profit, Supply, and Factor Demand Functions,* Feb., 11

**Yver, Raul E.,** *The Investment Behavior and the Supply Response of the Cattle Industry in Argentina,* Dec., 976

## REVIEWS

By author of publication—reviewer in parentheses

**Arthur, Henry B.,** *Commodity Futures As a Business Management Tool* (Aaron C. Johnson, Jr.), May, 378

**Ball, A. Gordon, and Earl O. Heady** (eds.), *Size, Structure, and Future of Farms* (W. L. Gibson, Jr.), Nov., 695

**Barkley, Paul W., and David W. Seckler,** *Economic Growth and Environmental Decay: The Solution Becomes the Problem* (A. Allan Schmid), Nov., 696

**Berger, Samuel R.,** *Dollar Harvest* (Don F. Hadwiger), Aug., 539

**Blase, Melvin G.** (ed.), *Institutions in Agricultural Development* (Russell H. Brannon), May, 379

**Boulding, Kenneth E., Elvis J. Stahr, Solomon Fabricant, and Martin R. Gainsburgh,** *Economics of Pollution* (A. Allan Schmid), Nov., 696

**Brubaker, Sterling,** *To Live On Earth: Man and His Environment in Perspective* (A. Allan Schmid), Nov., 696

**Capstick, Margaret,** *The Economics of Agriculture* (Reuben C. Buse), Feb., 147

**Chao, Kang,** *Agricultural Production in Communist China 1949–1965* (Shun-Hsin Chou), May, 379

**Corden, W. M.,** *The Theory of Protection* (Larry J. Wipf), Feb., 148

**Cowling, Keith, David Metcalf, and A. J. Rayner,** *Resource Structure of Agriculture: An Economic Analysis* (Norman K. Whittlesey), Aug., 540

**Dhrymes, Phoebus J.,** *Econometrics, Statistical Foundations and Applications* (John P. Doll), May, 381

**Dorner, Peter** (ed.), *Land Reform in Latin America, Issues and Cases* (C. O. Andrew), Nov., 698

**Evans, John W.,** *The Kennedy Round in American Trade Policy: The Twilight of the GATT?* (Vernon L. Sorenson), Nov., 700

**Falcon, Walter P., and Gustav F. Papanek** (eds.), *Development Policy II—The Pakistan Experience* (M. Raquibuz Zaman), Aug., 541

**Fishel, Walter L.** (ed.), *Resource Allocation in Agricultural Research* (Linley E. Juers), Aug., 542

**Geer, Thomas,** *An Oligopoly: The World Coffee Economy and Stabilization Schemes* (M. M. Veeman), Nov., 699

**Greig, W. Smith,** *The Economics of Food Processing* (Alden C. Manchester), Aug., 543

**Grogan, F. O.** (ed.), *International Trade in Temperate Zone Products* (Vernon L. Sorenson), Nov., 700

**Halter, Albert N., and Gerald W. Dean,** *Decisions Under Uncertainty with Research Applications* (Wilfred Candler), Feb., 149

**Heady, Earl O.** (ed.), *Economic Models and Quantitative Methods for Decisions and Planning in Agriculture* (George D. Irwin), Feb., 149

**Hicks, George L., and Geoffrey McNicoll,** *Trade and Growth in the Philippines: An Open Dual Economy* (Vernon W. Ruttan), Aug., 544

**Hieronymus, Thomas A.,** *Economics of Futures Trading, for Commercial and Personal Profit* (Roger W. Gray), Aug., 545

**Howe, Charles W., and K. William Easter,** *Interbasin Transfers of Water* (Joe B. Stevens), Feb., 150

**Intriligator, Michael D.,** *Mathematical Optimization and Economic Theory* (Takashi Takayama), May, 383

**Kilby, Peter** (ed.), *Entrepreneurship and Economic Development* (Matthew Edel), Aug., 546

**Kmenta, Jan,** *Elements of Econometrics* (John P. Doll), May, 381

**Kuznets, Simon,** *Economic Growth of Nations; Total*

*Output and Production Structure* (Theodore W. Schultz), Feb., 151

**Myers, Ramon H.,** *The Chinese Peasant Economy: Agricultural Development in Hopei and Shantung, 1890–1949* (Shun-Hsin Chou), May, 379

**Nelson, Richard R., T. Paul Schultz, and Robert L. Sleighton,** *Structural Changes in a Developing Economy: Colombia's Problems and Prospects* (Dale W. Adams), May, 384

**Padberg, Daniel I.,** *Today's Food Broker: Vital Link in the Distribution Cycle* (Bob R. Holdren), Nov., 701

**Scherer, F. M.,** *Industrial Market Structure and Economic Performance* (Stephen H. Sosnick), Aug., 547

**Solow, Barbara Lewis,** *The Land Question and the Irish Economy, 1870–1903* (Russell L. Berry), Aug., 548

**Steiner, Gilbert Y.,** *The State of Welfare* (W. Keith Bryant), May, 385

**Takayama, Takashi, and George G. Judge,** *Spatial and Temporal Prices and Allocation Models* (Pinhas Zusman), Nov., 701

**Theil, Henri,** *Principles of Econometrics* (John P. Doll), May, 381

**Volin, Lazar,** *A Century of Russian Agriculture: From Alexander II to Khrushchev* (D. Gale Johnson), Feb., 151

**Wollman, Nathaniel, and Gilbert W. Bonem,** *The Outlook for Water: Quality, Quantity, and National Growth* (William B. Lord), May, 386

**Wonnacott, R. J., and Thomas H. Wonnacott,** *Econometrics* (John P. Doll), May, 381